DOCUMENT RESUME

ED 319 432 JC 900 279

AUTHOR	Ward, Howard W.
TITLE	Fauquier Enrollment Projections: Preliminary Study, March 1989.
INSTITUTION	Germanna Community Coll., Locust Grove, VA.
PUB DATE	Mar 89
NOTE	43p.
PUB TYPE	Reports - Research/Technical (143) -- Statistical Data (110)
EDRS PRICE	MF01/PC02 Plus Postage.
DESCRIPTORS	College Environment; *College Planning; Community Colleges; Demography; Educational Facilities; *Educational Improvement; *Enrollment Influences; *Enrollment Projections; Facility Expansion; Program Development; Rural Development; Tables (Data); Two Year Colleges

ABSTRACT

A study was conducted to determine whether the two-year college facilities and programs available to residents of Fauquier County in Virginia were adequate to meet their current and future needs. Lord Fairfax Community College and Germanna Community College, which share responsibility for serving this rural county, recently combined their resources to improve their service levels. A renovated barn was donated to the schools, providing classroom and office space. This made it possible for the colleges to offer day classes, as well as the night courses offered at the local high school. Public interest in expanding the number of programs and the physical plant were instrumental in initiating a study of the future space potential of "The Barn" and the need for additional facilities. In addition to projecting enrollment potential, the study investigated issues such as operating funds, faculty recruitment, student services, and administrative support. Findings from the study indicated that the main factors influencing enrollments were population, industry composition, public school enrollments, other higher education institutions, and curricula. Combining experience, intuition, and subjective assumptions with available data led to the following predictions: (1) enrollment in the program should continue to increase; (2) fall 1989 enrollment could approximate 140 full-time students and nearly 500 part-time students, but the newness of the program may reduce these numbers by about 50%; (3) facilities at The Barn will be fully utilized in 1 to 2 years; and (4) enrollments will be contingent upon public awareness and available programs. Tables and graphs are attached, detailing population, employment, high school graduation projections, K-12 enrollments, approximate distances from colleges and universities and from The Barn, Fauquier program enrollments, and continuing education ratios. (JMC)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED319432

FAUQUIER ENROLLMENT PROJECTIONS

PRELIMINARY STUDY

March, 1989

IC900279

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

H.W. Ward

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

BEST COPY AVAILABLE

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

X This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

GERMANNA COMMUNITY COLLEGE

MEMORANDUM OF EXPLANATION REGARDING
FAUQUIER ENROLLMENT PROJECTIONS PRELIMINARY STUDY

The Virginia Community College System is composed of twenty-three colleges. Each college has its own service region made up of several counties and cities. In some cases a county may be shared by two colleges when travel distances are excessive. One of the counties assigned to Germanna is Fauquier County. This county is shared with Lord Fairfax Community College. The geographic division of the county is left to the colleges.

Both Lord Fairfax and Germanna are small schools (about 2,500 fall semester headcount) and Fauquier County is a rural county with the northeast corner beginning to be influenced by the urban sprawl of Washington, D.C. Lord Fairfax is situated to the west of Fauquier County and Germanna is located to the south. Neither college believed it was serving this county well yet each lacked resources to commit to a major outreach program, particularly to the county's principal city of Warrenton located near the geographic center.

To improve their service levels, the two colleges organized a joint venture with combined resources; a new type of effort within the system. Public support provided additional resources. One individual renovated and donated a dairy barn that was quickly christened "The Barn." This four-classroom-plus-office building provided a highly visible educational center.

The Barn permitted day courses to be offered; a significant improvement over the "evening-only" classes previously scheduled in the local high school. The Barn also fostered a feeling of continuity for students who could now reasonably expect the offering of sequential courses.

The limited number of rooms necessitated a limited number of programs; a general transfer program and a management oriented occupational-technical program. Public interest in expanding both the number of programs and the physical plant was instrumental in initiating exploration of future potential for The Barn and the need for additional facilities.

The enrollment projection study serves as a basis for measuring utilization and growth as well as providing data for future expansion. The study was requested by the county task force, an advisory committee, and was prepared by the research office at Germanna Community College.

FAUQUIER ENROLLMENT PROJECTIONS

PRELIMINARY STUDY

Prepared By:
Howard W. Ward
Germanna Community College
Institutional Research Office
March, 1989

TABLE OF CONTENTS

FINDINGS 1

INTRODUCTION 2

DEMOGRAPHICS 2

ENROLLMENT PROJECTIONS 7

MAP 8

TABLES AND GRAPHS 9

ACKNOWLEDGEMENTS

The College gratefully acknowledges of the assistance provided by the following organizations:

Fauquier County Administrative Offices

Fauquier County Chamber of Commerce

Fauquier County Public Schools

George Mason University

FAUQUIER ENROLLMENT PROJECTIONS

Findings

Projecting enrollments in the Fauquier Program is a difficult task involving imprecise techniques based on subjective assumptions. Influencing factors include population, employment, public school enrollment, economic conditions, zoning ordinances, highway patterns, and public perception of the program's strengths. Combining experience, intuition, and assumptions with available data leads to the following predictions.

- Enrollment in the program should continue to increase.
- Fall, 1989 enrollment could approximate 140 full-time students and nearly 500 part-time students; however, the newness of the program may reduce these numbers by about fifty per cent.
- Facilities at The Barn will be fully utilized in one to two years.
- Enrollments will be contingent upon public awareness and available programs.

Introduction

The joint venture by Fauquier County, Lord Fairfax Community College and Germanna Community College to provide increased levels of community college service to Fauquier County is now underway. Courses are currently being conducted in the donated facility known as "The Barn" and plans are to continue scheduling classes at this location. Further, when unique instructional facilities or additional capacity are needed, alternate sites will be identified.

Despite the progress made in securing physical locations, several issues have yet to be resolved. Among these issues are operating funds, faculty recruitment, student services, and administrative support. The kind and degree of activity for each of these issues is contingent on future enrollment projections.

Factors which influence enrollments include population, industry composition, public school enrollments, other higher education institutions, and curricula. Unfortunately, these factors are not easily evaluated and, in some cases, can be addressed only in terms of professional experience and intuition.

This report attempts to identify the status of these factors and to present a "best guess" as to future enrollment in the Fauquier Program. The purpose of this preliminary study has been to establish a basis for discussion and planning.

Demographics

Service Region. Responsibility for community college service to Fauquier County is shared by Lord Fairfax Community College and Germanna Community College. Division of the county's 660 square miles is not marked by specific boundaries but it is

generally understood that Germanna territory extends south and east from Warrenton and Lord Fairfax serves the north and west. (Map 1). The formation of the joint Fauquier Program by the two colleges and the equal allocation of student credit hours has deemphasized this geographic distinction.

Population. Population figures vary depending on the source. For this report, the source for population estimates is Population Estimates for Virginia Localities, 1981-87, prepared by the Center for Public Service (CPS), University of Virginia, September 7, 1988. This source is used by Planning Districts 9 and 16 as well as most governmental bodies. According to this release, the 1987 population of Fauquier County is estimated to be 44,400. The Virginia Department of Transportation estimated 42,535. The Fauquier County Planning and Zoning Office estimated 43,500 based on Taylor-Murphy Institute data which predated the CPS report cited above.

Table 1 provides both an historical picture of population growth in Fauquier County as well as estimates for the future. It is expected that most of the projected growth will occur in the eastern portion of the County. Future traffic routes, zoning restrictions, energy costs, utility services, educational facilities, and public safety needs are some of the factors influencing both rate and location of growth.

Based on these estimates, Fauquier County ranks among the fastest growing counties in the state. However, it seems unlikely that this rapid growth rate can be sustained. Local initiatives are expected to slow the pace, and it is this assumption which provides justification for the 1988-2000 projections. Graph 1 illustrates the expected county growth.

Industry and Employment. About one-third of the County's employers are classified as service oriented; construction accounts for approximately one-quarter of the employers; and retail/wholesale activities involve one-fifth. Together, these three categories make up nearly eighty per cent of all employers. Graph 2 and Table 3 provide greater detail. Although different periods are involved, no significant differences in numbers or percentages are involved.

The majority of employers (about eighty per cent) have ten or less employees. Slightly over one per cent employ over 100. Graph 3 and Table 3 provide greater detail of employer size. Note that while employers of ten or less account for nearly eighty-one per cent of the total number of employers, they employ less than twenty-five per cent of the workers. Conversely, the sixteen employers (1.3 per cent) with over one hundred employees hire thirty-four per cent (4,693) of the workers. Graph 4 and Table 2 show that service industries account for thirty per cent of those employed followed by retail/wholesale industries with twenty-one per cent. The construction industry adds about eighteen per cent. These four categories account for close to seventy per cent of all employment.

Public School Enrollments. Included in Table 1 are public school enrollment projections for 1986-87 through 1999-2000. A total growth of fifty-seven per cent is expected over this period. (Graph 5). The yearly rates of change tend to approximate the overall population rates of change in Table 1 thereby lending credibility to the proposed population estimates. (Graph 6). Graph 7 presents the projected change in the number of high school graduates in the state. Table 4 converts the state en-

rollments into per cents of change while Table 5 shows the number of projected enrollments in grade twelve at Fauquier County High School. Table 6 and Graph 8 show the projected graduates using a computed rate based on State Department of Education booklets titled "Facing Up" and Student Membership Projections by Grade Level: 1986-2000, supplied by Fauquier County Public Schools. (Table 7).

A comparison of the rates of change for Virginia high school graduates and Fauquier County High School enrollments indicates a similar trend although county rate changes are less smooth. (Graph 9).

Higher Education. The County is served by several colleges and universities, all beyond a twenty-mile radius. Table 8 provides a listing of nearby institutions as well as approximate mileage from Warrenton. Table 9 lists estimated distances from The Barn, the donated facility at which most of the Fauquier program courses are conducted. The reduction in travel distance for county residents can be approximated using Map 1.

Enrollment of Fauquier County residents appears in Table 10 and Graphs 10A and 10B While the per cent of change has been high in certain past years, due to small enrollment numbers, Fall, 1988 and Spring, 1989 produced record highs in absolute numbers. The impact of The Barn, although not clearly defined at this time, is hinted at by the 1988-89 enrollments.

Curricula. In the early stages of the Fauquier Program development, a commitment was made to insure continuity of curricula. The intent was to permit local students to commence certain degree programs with assurance that all required courses would be offered in an appropriate sequence. It was not guaran-

teed that elective courses would be offered to the same degree as at the main campuses. The courses listed below represent courses held during the 1988-89 academic year. Although other courses were scheduled, only those shown met minimum enrollment requirements.

Fall

Barn	Course	Enroll	Course	Enroll
	ACC 211	25	ADJ 211	7
	BUS 100	6	DEC 100	19
	PSY 210	15	ENG 111	15
	REA 100	26	FIN 110	18
	REA 215	19	FIN 157	13
			FIR 106	5
			HIS 101	5
			SPD 100	5
H.S.				
	HLT	27		
		118		87

Spring

Barn	Course	Enroll	Course	Enroll
	ACC 212	10	AGR 139	17
	BUS 150	10	ART 100	5
	PSY 202	10	ART 195	7
	PSY 295	7	CIS 110	6
	REA 100	20	CIS 157	8
	REA 245	31	CIS 195A	18
	SPD 100	7	CIS 195B	19
			CIS 195C	13
			CIS 195D	13
			ENG 112	7
			FIN 110	10
			FIN 258	10
			IDS 225	8
			OFT 235	12
H.S.				
	EDU 295	12		
		107		153
Total		225		240

(Source: SCH570)

All of the above courses are transferable to other community colleges and to most universities within the state.

Enrollment Projections

Background. Enrollment projections are subject to many influencing factors. It has been an accepted premise that enrollment has an inverse relationship to the economy. During periods of high employment (low unemployment) college enrollments drop, especially in areas of low income. Data is not available to satisfactorily measure the effects of reduced financial aid. Some colleges are experiencing difficulty in attracting students to work-study openings and in finding candidates for low paying jobs. Hence, economics plays a major role in enrollment projecting.

Distance and traffic patterns also affect enrollment. In areas where there is a large commuting population, workers frequently cannot reach home in time to attend evening classes. Often, some do not wish to drive additional miles to a classroom site.

The college's reputation, variety and transferability of courses, student service level, and the proximity of other colleges or universities are also influencing factors. Cost is an important consideration, especially for those with modest income.

Hence, projecting enrollments is subject to assumptions and speculations which, when coupled with quantifiable data, provide an unstable conjecture as to the future.

Projections. Graph 11 displays the enrollments in grades K-12. The increasing numbers in the lower grades indicate the growing student population. If no other factors intervene, public school estimates suggest an additional number of students which approaches fifty per cent in twelve years. This serves as one consideration in the development of projected enrollments for

the community college Fauquier Program.

The county populations from Table 1 are multiplied by the penetration rate of 1.35 per cent in Table ii to determine probable enrollments in the Fauquier Program. A rate of 1.35 per cent was chosen because it parallels rates found in counties in which distances to the point of course offerings are comparable to those now found in Fauquier County. This table is the most critical in determining estimated enrollments.

Data in Table ii suggest a fall, 1989 enrollment of 626 is possible when applying commonly used formulas. To attain the table's 1.35 per cent penetration rate will require intensive advertising and other recruiting efforts. A barrier to reaching such a rate is the newness of the program. Current advertising restrictions imposed at the state level is a second barrier, one which is not under the control of either participating community college.

Actual enrollments during 1988-89 are somewhat misleading because of courses carrying less than three credits. After alloving for such courses, it is estimated that current enrollment approximates two hundred. It seems unlikely that enrollments could triple in one year as suggested in Table ii. Hence, a student headcount of four hundred is an ambitious target for fall, 1989. It is unrealistic to expect current students to immediately abandon their association with other colleges or universities in favor of a program which, at best, can be described as experimental at this time.

Full- time enrollments play a major role in the calculation of full-time equivalent students (FTES) which, in turn, strongly influence the colleges' funding. Fauquier County High School

should be the principal source of full-time students. Table 6 provides data about the projected number of high school graduates. Table 12 converts the number of graduates into the number who will probably go on to higher education based on prior experience. The distribution among types of institutions attended is shown in Graph 13. Because a regional location (The Barn) will be in operation for day classes in 1989-90, the anticipated enrollments in Table 11 are considered possible (but not totally realistic). Considering cost and availability, full-time enrollment in the Fauquier Program may include some students who might otherwise attend four-year schools.

Over the last five years, slightly less than sixty per cent of Fauquier County High School graduates have continued their education. Of that number, nearly one-third have attended two-year colleges. Since Northern Virginia Community College has an average distance of twenty-five miles, less than any other college, it seems reasonable that The Barn may prove to be an attractive alternative.

Two major factors which will impact enrollments in the Fauquier Program are the curriculum and space. Only a limited number of curricula options are available at this time. Business Administration and a liberal arts oriented program are available for students wishing to transfer to senior institutions. A Business Management program offers a career choice which has proven popular for many years. Students desiring specialty areas outside of these programs cannot be fully served by the Fauquier Program at this time.

It must be recognized that only four rooms with a combined seating capacity of about eighty are available for day classes.

If day classes are scheduled from 8:00 A.M through 6:00 P.M., a maximum of sixteen classes can be held. This would permit up to two hundred and fifty full-time students to be served. However, scheduling of this type rarely occurs. It seems realistic to suggest that not over one hundred and fifty full-time students could be accommodated. In such a case, The Barn will become inadequate in two or three years.

It is clear that facilities at The Barn are already insufficient. Courses for part-time students are normally scheduled in the evening or on weekends. Only eighty students can be comfortably scheduled at The Barn on any given evening. Hence, classes on Monday through Thursday evenings and Saturday mornings can serve four hundred part-time students. If projections in Table 11 are appropriate, The Barn is already outgrown and other community locations are required.

Many of the calculations are based on assumptions which are subject to challenge and which cannot be defended mathematically. Further, curriculum design and marketing efforts will have a significant effect on the future of the Program.

Map 1

FAUQUIER COUNTY, VIRGINIA
Gainesville
Haymarket
Thoroughfare
Buckland
Bristersburg
Somerville
Mountville
Sumerduck
Elk Run
Catlett
Calverton
RT. 28
Midland
Bealeton
Remington
RT. 17
RT. 15-29
Opal
Warrenton
RT. 29-211
Fauquier Springs
RT. 211
Bethel
Old Tavern
RT. 17
I-66
The Plains
RT. 55
Marshall
Ada
Orlean
Hume
Rectortown
Delaplane
RT. 17
Upperville
RT. 50
Paris
Middleburg
Hathaway

TABLE 1

FAUQUIER COUNTY POPULATION
(ESTIMATED)

YEAR	POPULATION	CHANGE	% CHANGE	TOTAL STUDENTS	CHANGE	% CHANGE
1980	35889					
1981	36600	711	1.98%			
1982	37500	900	2.46%			
1983	38300	800	2.13%			
1984	38900	600	1.57%			
1985	40300	1400	3.60%			
1986	42200	1900	4.71%			
1987	44400	2200	5.21%	7817		

Source: POPULATION ESTIMATES FOR VIRGINIA LOCALITIES, 1981-1987, Center for Public Service, Univ. of Virginia, September 7, 1988

*ESTIMATED

1988	46398	1998	4.50%	8071	254	3.25%
1989	48486	2088	4.50%	8302	231	2.86%
1990	50668	2182	4.50%	8465	163	1.96%
1991	52694	2027	4.00%	8733	268	3.17%
1992	54802	2108	4.00%	9066	333	3.81%
1993	56994	2192	4.00%	9451	385	4.25%
1994	58989	1995	3.50%	9836	385	4.07%
1995	61054	2065	3.50%	10232	396	4.03%
1996	63191	2137	3.50%	10593	361	3.53%
1997	65086	1896	3.00%	11132	539	5.09%
1998	67039	1953	3.00%	11614	482	4.33%
1999	69050	2011	3.00%	11958	344	2.96%
2000	71122	2072	3.00%	12324	366	3.06%

* Percentages of change are subjective estimates.

Source: STUDENT MEMBERSHIPS BY GRADE LEVEL: 1986-2000 Fauquier County Public Schools, January 5, 1989

Table 2

FAUQUIER COUNTY
EMPLOYMENT CHARACTERISTICS

CATEGORY	NO. FIRMS	% OF TOTAL	NO. EMPL.	% OF TOTAL
AGRICULTURE FORESTRY & FISH	70	6.0%	669	4.9%
CONSTRUCTION	287	24.7%	2539	18.5%
MANUFACTURING	30	2.6%	1053	7.7%
TRANSPORTATION	50	4.3%	476	3.5%
WHOLESALE	45	3.9%	507	3.7%
RETAIL	186	16.0%	2411	17.6%
FINANCIAL INSURANCE & REAL ESTATE	75	6.4%	723	5.3%
SERVICES	386	33.2%	4063	29.6%
PUBLIC ADMIN.	28	2.4%	1204	8.8%
OTHER	7	0.6%	60	0.4%
TOTAL	1164	100.0%	13705	100.0%

Source: VEDMARS 2nd Qtr. 1988

File Name: Table-2

Table-3

FAUQUIER COUNTY
EMPLOYEES BY EMPLOYEE RANGE

NO. OF EMPLOYEES	NO. FIRMS	% OF TOTAL	NO. EMPL.	% OF TOTAL
10 OR LESS	939	80.7%	3320	24.2%
11-25	137	11.8%	2297	16.8%
26-50	49	4.2%	1789	13.1%
51-100	23	2.0%	1606	11.7%
101-250	11	0.9%	1425	10.4%
OVER 250	5	0.4%	3268	23.8%
TOTAL	1164	100.0%	13705	100.0%

Source: VEDMARS 2nd Qtr. 1988

File Name: Table-3

TABLE 4

VIRGINIA

YEAR	HS GRADS IN 1000'S	CHANGE	% CHANGE
1988	72.0		
1989	68.0	-4	-5.56%
1990	66.0	-2	-2.94%
1991	64.1	-1.9	-2.88%
1992	64.9	0.8	1.25%
1993	66.0	1.1	1.69%
1994	69.5	3.5	5.30%
1995	71.5	2	2.88%
1996	75.3	3.8	5.31%
1997	80.0	4.7	6.24%
1998	79.8	-0.2	-0.25%
1999	82.5	2.7	3.38%
2000	83.0	0.5	0.61%

TABLE 5

FAUQUIER

	GR. 12 ENROLL	CHANGE	% CHANGE
	650	75	13.04%
	675	25	3.85%
	611	-64	-9.48%
	580	-31	-5.07%
	540	-40	-6.90%
	580	40	7.41%
	570	-10	-1.72%
	652	82	14.39%
	620	-32	-4.91%
	722	102	16.45%
	837	115	15.93%
	880	43	5.14%
	960	80	9.09%

Source: VIRGINIA HIGH SCHOOL GRADUATES
ACADEMIC YEAR 1988-2000 (PROJECTED)
WICHE, 1988

STUDENT MEMBERSHIP PROJECTIONS BY GRADE LEVEL: 1986-2000
Fauquier County Public Schools, January 5, 1989

File Name: Table4-5

TABLE 6

PROJECTED H.S. GRADUATES

ACTUAL

YEAR	9TH GR. ENROLL.	YEAR	EST. GRAD. GRADS	RATE
78-79	666	81-82	519	77.9%
79-80	631	82-83	495	78.4%
80-81	656	83-84	509	77.6%
81-82	585	84-85	450	76.9%
82-83	592	85-86	456	77.0%
83-84	642	86-87	550	85.7%
TOTAL	3772		2979	79.0%

PROJECTED

YEAR	EST. ENROLL	YEAR	EST. GRAD. RATE	GRADS.
86-87	635	89-90	0.79	502
87-88	536	90-91	0.79	423
88-89	592	91-92	0.79	468
89-90	640	92-93	0.79	506
90-91	708	93-94	0.79	559
91-92	741	94-95	0.79	585
92-93	760	95-96	0.79	600
93-94	783	96-97	0.79	619
94-95	818	97-98	0.79	646
95-96	847	98-99	0.79	669

Source: FACING UP, Booklets 19-22, Statistical Data on Virginia's Public Schools Department of Education

STUDENT MEMBERSHIP PROJECTIONS BY GRADE LEVEL: 1986-2000, Fauquier County Public Schools, January 5, 1989

File Name: Table-6

Table 7

Fauquier County Public Schools
Warrenton, Virginia 22186

STUDENT MEMBERSHIP PROJECTIONS BY GRADE LEVEL: 1986-2000

School Year	Grade K	1	2	3	4	5	6	7	8	9	10	11	12	TOTALS
1986-87	650	633	614	585	586	532	548	520	604	635	675	660	575	7,817
1987-88	671	670	649	633	601	604	551	575	536	608	641	682	650	8,071
1988-89	693	692	683	668	652	625	627	592	591	552	608	644	675	8,302
1989-90	714	712	700	703	681	678	640	661	610	605	560	590	611	8,465
1990-91	728	735	718	721	722	708	703	685	680	608	595	550	580	8,733
1991-92	750	748	738	740	741	751	733	752	688	691	605	589	540	9,066
1992-93	773	771	750	760	761	771	780	784	760	682	685	594	580	9,451
1993-94	796	794	783	773	781	791	801	838	807	758	673	671	570	9,836
1994-95	820	818	787	807	795	814	820	861	862	803	742	651	652	10,232
1995-96	847	844	812	811	829	828	845	886	913	857	800	701	620	10,593
1996-97	872	876	869	836	835	854	852	870	912	940	874	820	722	11,132
1997-98	898	899	902	895	861	860	880	878	896	939	969	900	837	11,614
1998-99	925	931	926	929	922	887	886	906	904	923	967	972	880	11,958
1999-2000	955	955	958	956	962	950	914	913	933	931	951	986	960	12,324

17

For further information call the School Board Office (347-8663).

This demographic report was adopted by the School Board in January, 1987. The base system (percentage increase indicators, co-hort survival technique) was predicated upon historical review over a period of years to determine rationale for projecting student membership. One must be cognizant of emerging conditions/variables which permeate the demography of the locale, i.e., zoning guidelines, general status of the economy, birthrates, cost of housing, mobility trends.

23

1-16

24

Table 8

APPROXIMATE DISTANCES FROM
COLLEGES AND UNIVERSITIES

INSTITUTION	MILES
NORTHERN VIRGINIA (MANASSAS)	24
GEORGE MASON UNIVERSITY	35
LORD FAIRFAX COMMUNITY COLLEGE	38
MARY WASHINGTON COLLEGE	39
GERMANNA COMMUNITY COLLEGE	40
SHENANDOAH COLLEGE & CONSERV.	44

Source: COMMUNITY INFORMATION
FAUQUIER COUNTY, VIRGINIA.
Warrenton/Fauquier Chamber of
Commerce, November, 1986.

File Name: Table-8

Table 9

APPROXIMATE DISTANCES
FROM THE "BARN"

FROM	MILES
Warrenton	1
Bealeton	10
Loudoun County	10
Remington	13
Catlett	13
Marshall	13
The Plains	17
Goldvein	20
Culpeper (Town)	20
Markham	23
Upperville	30

Source: Measured approximations.

File Name: Table-9

Table 10

FAUQUIER PROGRAM ENROLLMENTS

FALL

	GERMANNA			LORD FAIRFAX		
YEAR	ENROLL	CHANGE	% CHG.	ENROLL	CHANGE	% CHG.
1981	67					
1982	45	-22	-32.84%			
1983	49	4	8.89%			
1984	31	-18	-36.73%			
1985	76	45	145.16%	21		
1986	68	-8	-10.53%	40	19	90.48%
1987	72	4	5.88%	34	-6	-15.00%
1988	138	66	91.67%	84	50	147.06%

WINTER/SPRING

1982	28					
1983	44	16	57.14%			
1984	31	-13	-29.55%			
1985	29	-2	-6.45%			
1986	53	24	82.76%	17		
1987	59	6	11.32%	23	6	35.29%
1988	51	-8	-13.56%	20	-3	-13.04%
1989	103	52	101.96%	88	68	340.00%

File Name: Table-10

Table 11

ANTICIPATED ENROLLMENT IN FAUQUIER PROGRAM

YEAR	PROJECTED POPULATION	PROJECTED FAUQUIER ENROLLMENT	PROJECTED FULL-TIME ENROLLMENT	PROJECTED PART-TIME ENROLLMENT
1989	46398	626	141	485
1990	50668	684	154	530
1991	52694	711	160	551
1992	54802	740	166	573
1993	56994	769	173	596
1994	58989	796	179	617
1995	61054	824	185	639
1996	63191	853	192	661
1997	65086	879	198	681
1998	67039	905	204	701
1999	69050	932	210	722
2000	71122	960	216	744

POPULATIONS BASED ON TABLE 1

ENROLLMENTS BASED ON 1.35% PENETRATION RATE (COMPARABLE TO TO OTHER COUNTIES WITH SIMILAR TRAVEL DISTANCES)

FULL-TIME ESTIMATES BASED ON 22.5% OF TOTAL ENROLLMENT (FALL 1988 RATIO AT GERMANNA)

OUT-OF DISTRICT ENROLLMENTS PROJECTED TO BE MINIMAL DUE TO PROXIMITY OF OTHER COLLEGES AND UNIVERSITIES

IN FALL 1987 THERE WERE 599 FAUQUIER RESIDENTS ATTENDING NOVA

File Name: Table-11

Table 12

Continuing Education Ratios

YEAR	GRADS.	ATTENDING 2 YR COLL. NO.	%	ATTENDING 4 YR COLL. NO.	%	ATTENDING OTHER COLL. NO.	%	TOTAL ATTEND. NO.	COLL. %
83-84	516	84	16.3	171	33.1	30	5.8	285	55.2
84-85	454	107	23.6	149	32.8	26	5.7	282	62.1
85-86	464	101	21.8	173	37.3	11	2.4	285	61.5
86-87	552	70	12.7	181	32.8	35	6.3	286	51.8
87-88 *	496	108	21.0	205	41.0	19	3.0	332	66.9
5 yr. avg	496	94	18.9%	176	35.4%	24	4.9%	294	59.2%
PROJECTIONS USING FIVE-YEAR AVERAGE									
89-90	502	95	18.9%	178	35.4%	25	4.9%	297	59.2%
90-91	423	80	18.9%	150	35.4%	21	4.9%	250	59.2%
91-92	468	88	18.9%	166	35.4%	23	4.9%	277	59.2%
92-93	506	96	18.9%	179	35.4%	25	4.9%	300	59.2%
93-94	559	106	18.9%	198	35.4%	27	4.9%	331	59.2%
94-95	585	111	18.9%	207	35.4%	29	4.9%	346	59.2%
95-96	600	113	18.9%	212	35.4%	29	4.9%	355	59.2%
96-97	619	117	18.9%	219	35.4%	30	4.9%	366	59.2%
97-98	646	122	18.9%	229	35.4%	32	4.9%	382	59.2%
98-99	669	126	18.9%	237	35.4%	33	4.9%	396	59.2%

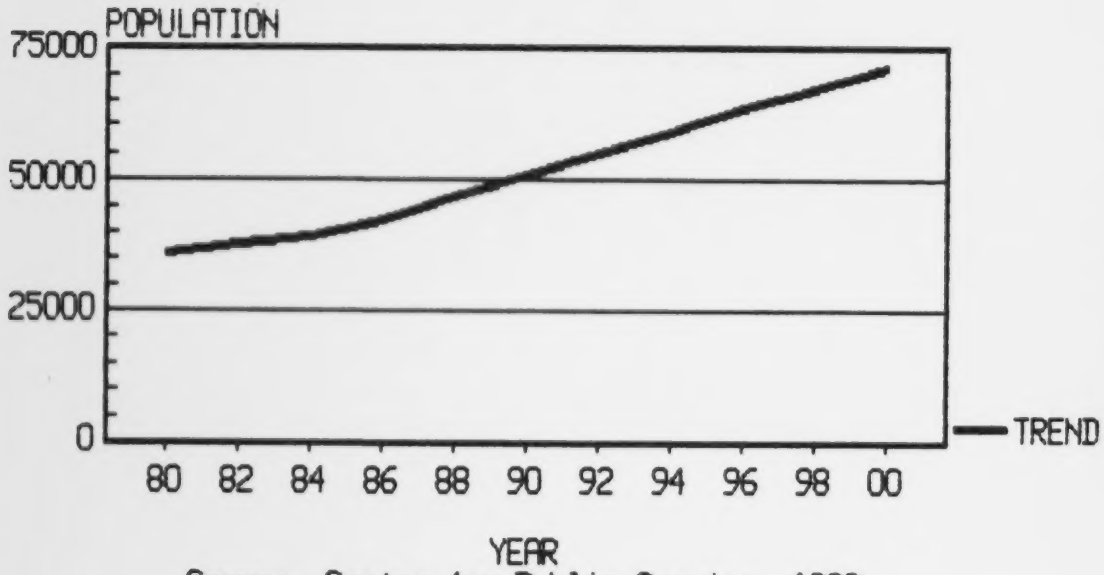
* Does not include summer, 1988

Source: FACING UP, State Department of Education

File Name: Table-12

Graph 1

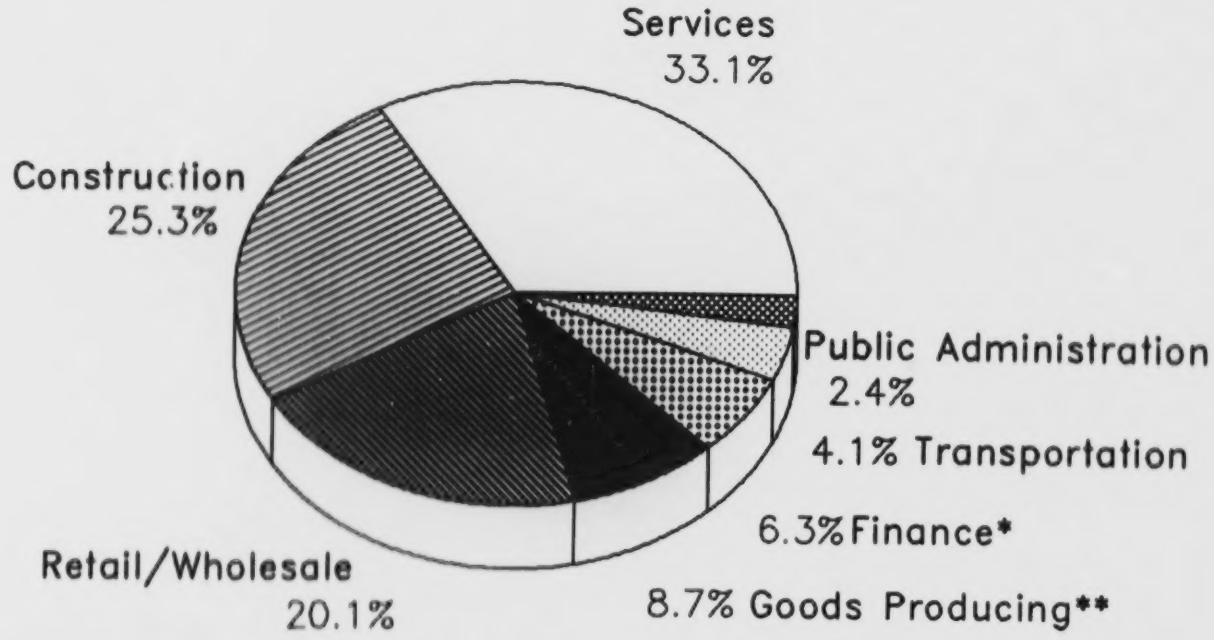
FAUQUIER COUNTY PROJECTED POPULATIONS



Source: Center for Public Service, 1988

Graph 2

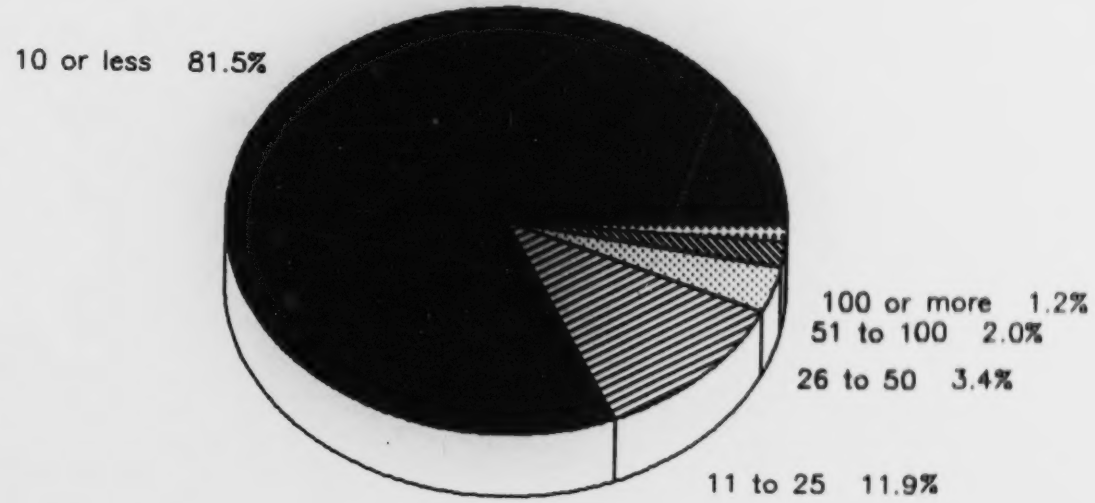
Distribution of Fauquier County Employers by Major Industry Group March 1988



*Includes insurance and real estate
**Includes agriculture, manufacturing and mining
Prepared by George Mason University, 12-6-88
Data source: Virginia Employment Data Management and Reporting System

Graph 3

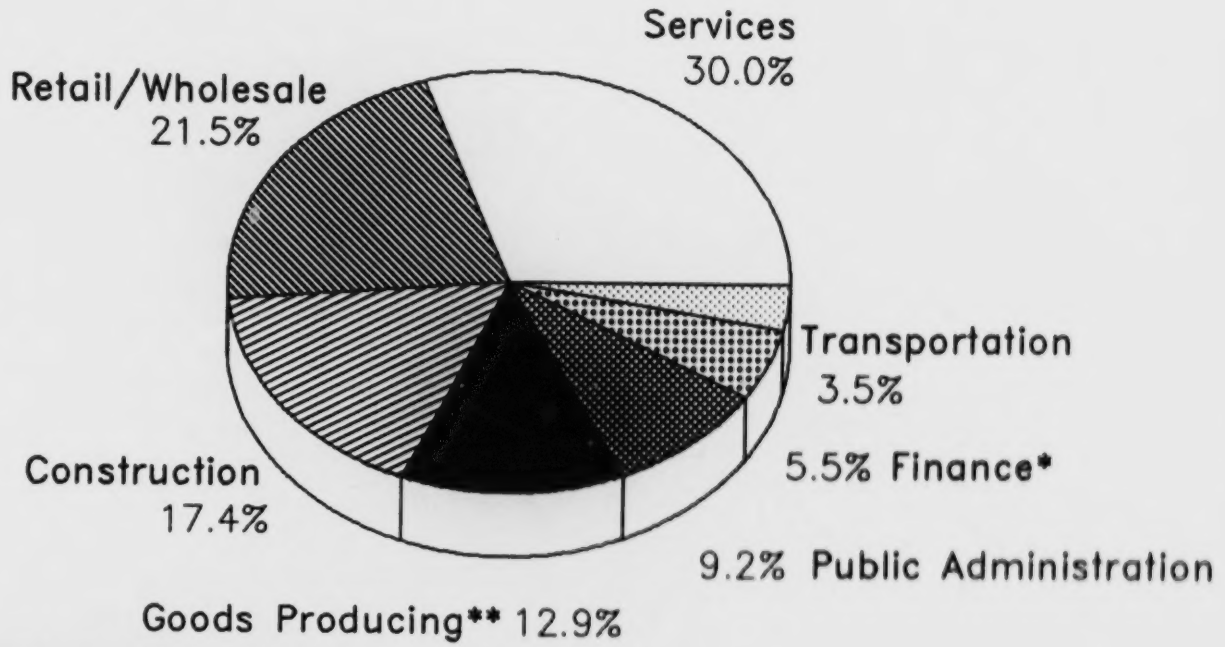
Distribution of Fauquier County Employers by Number of Employees March 1988



Prepared by George Mason University, 12-8-88
Data source: Virginia Employment Data Management and Reporting System

Graph 4

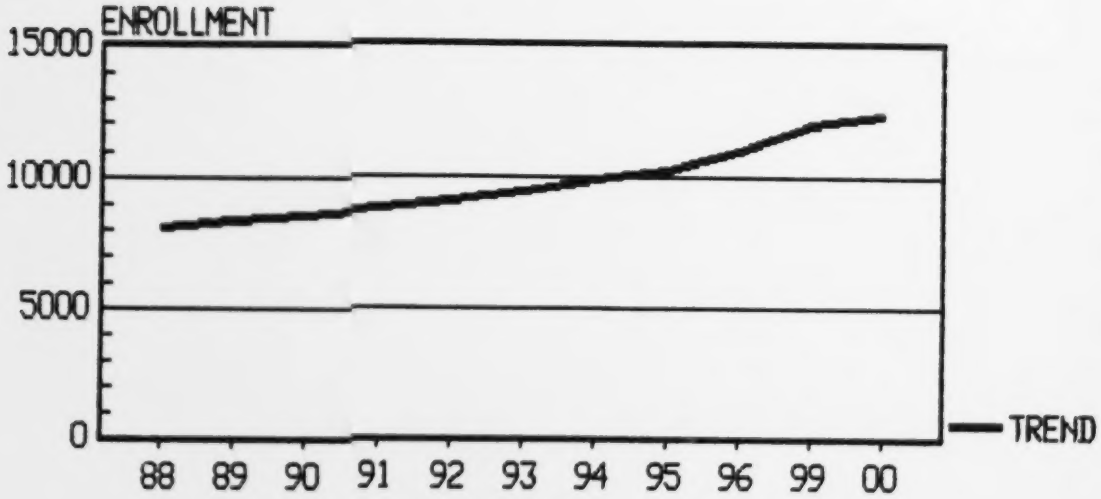
Distribution of Fauquier County Employment by Major Industry Group March 1988



*Includes insurance and real estate
**Includes agriculture, manufacturing and mining
Prepared by George Mason University, 12-8-88
Data source: Virginia Employment Data Management and Reporting System

Graph 5

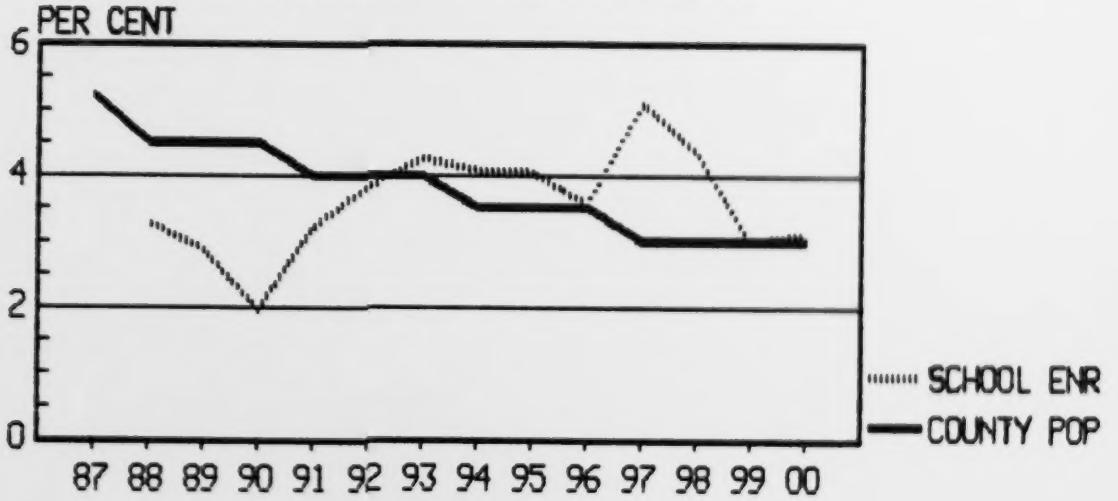
FAUQUIER COUNTY PROJECTED ENROLLMENTS



Source: Fauquier Public Schools, 1989

Graph 6

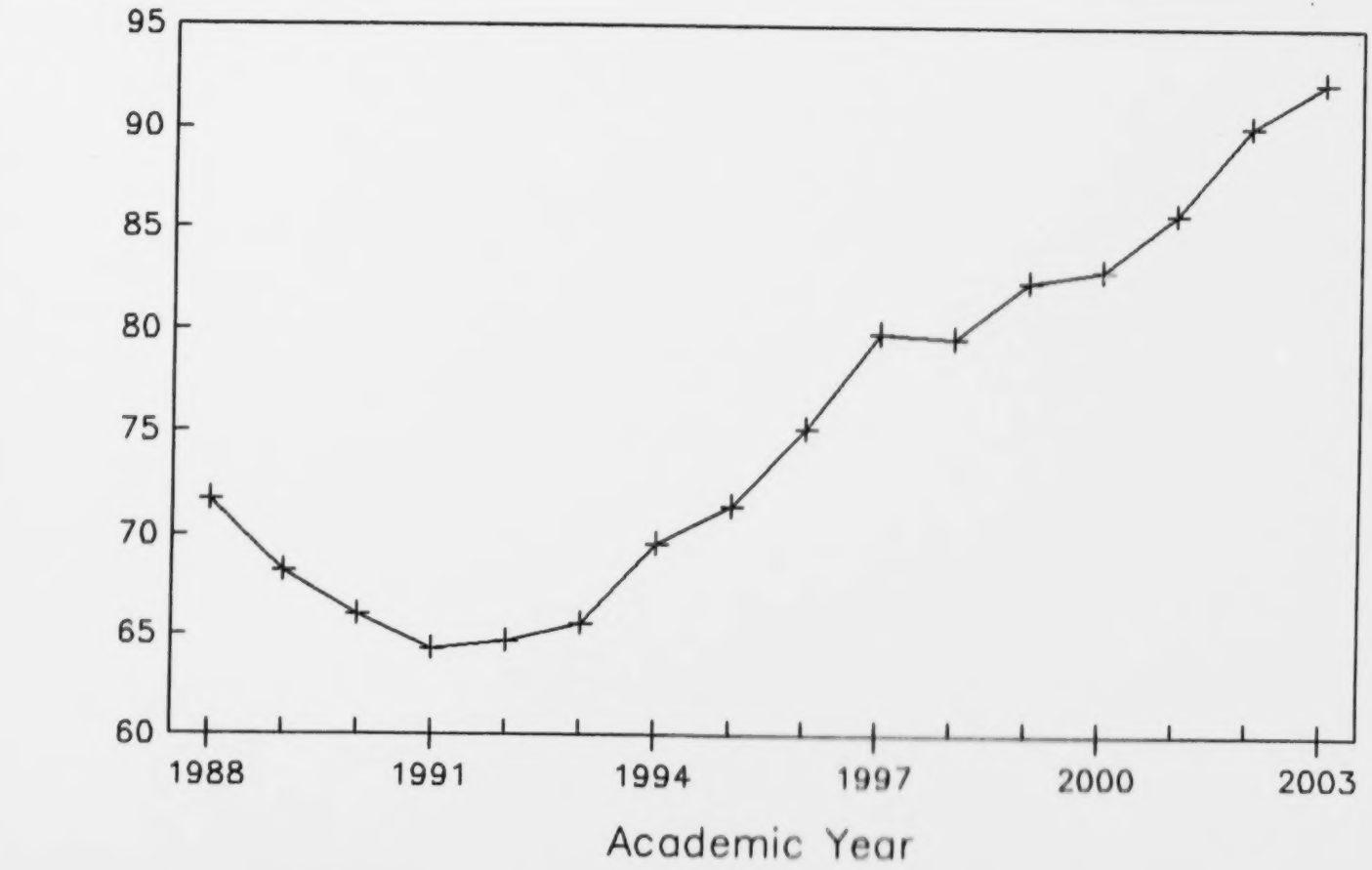
FAUQUIER COUNTY
TOTAL POPULATION VS TOTAL ENROLLMENT



Source: Table 1

Graph 7

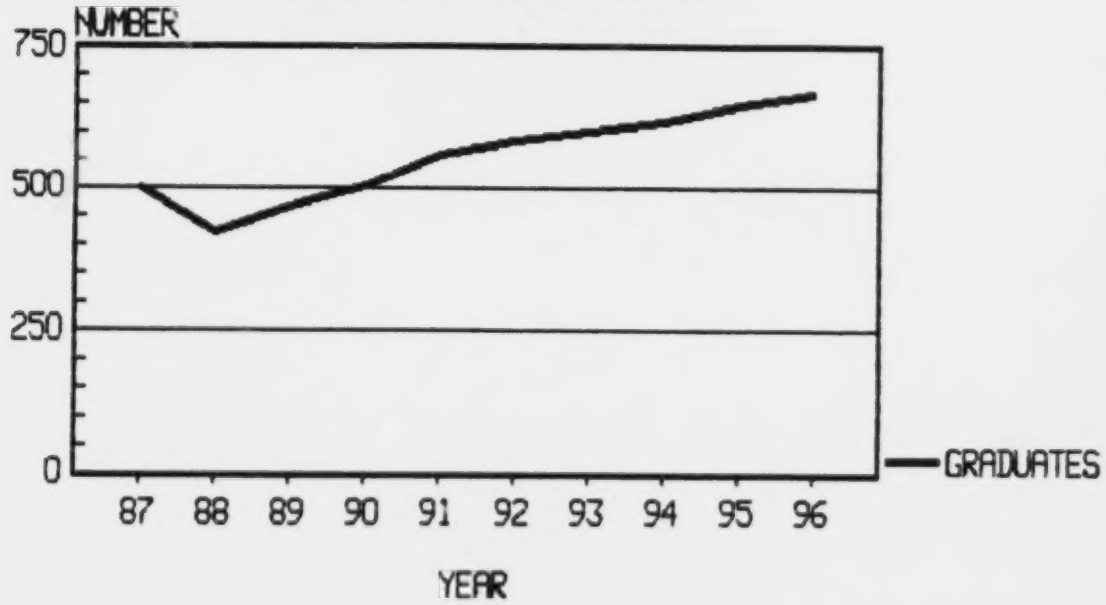
Virginia High School Graduates
Academic Year 1988–2003 (Projected)



Source: WICHE 1988

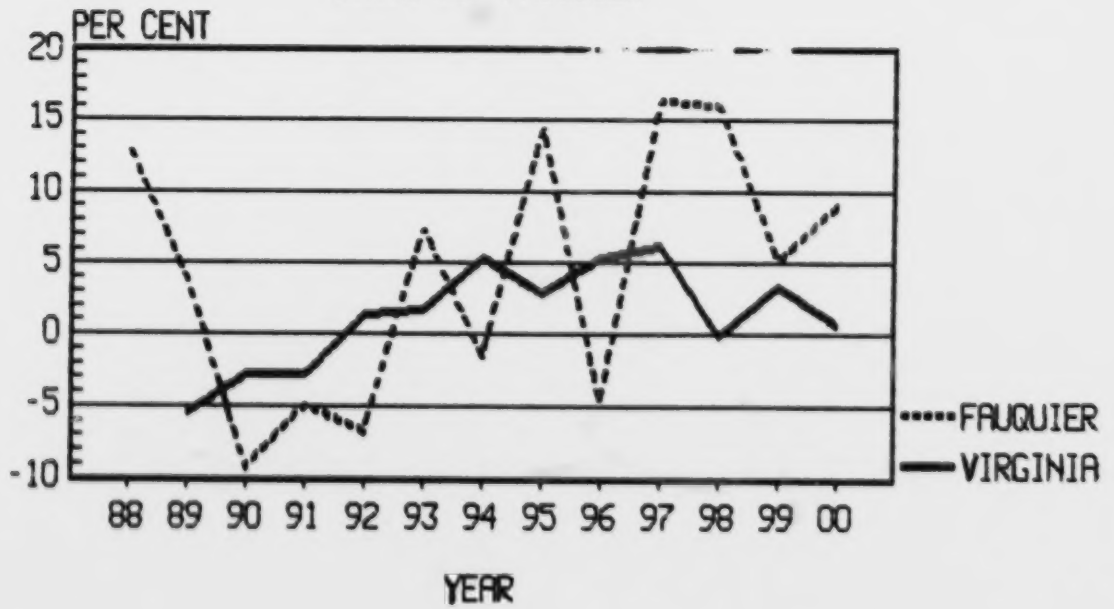
GRAPH 8

FAUQUIER COUNTY HIGH SCHOOL
ESTIMATED HIGH SCHOOL GRADUATES

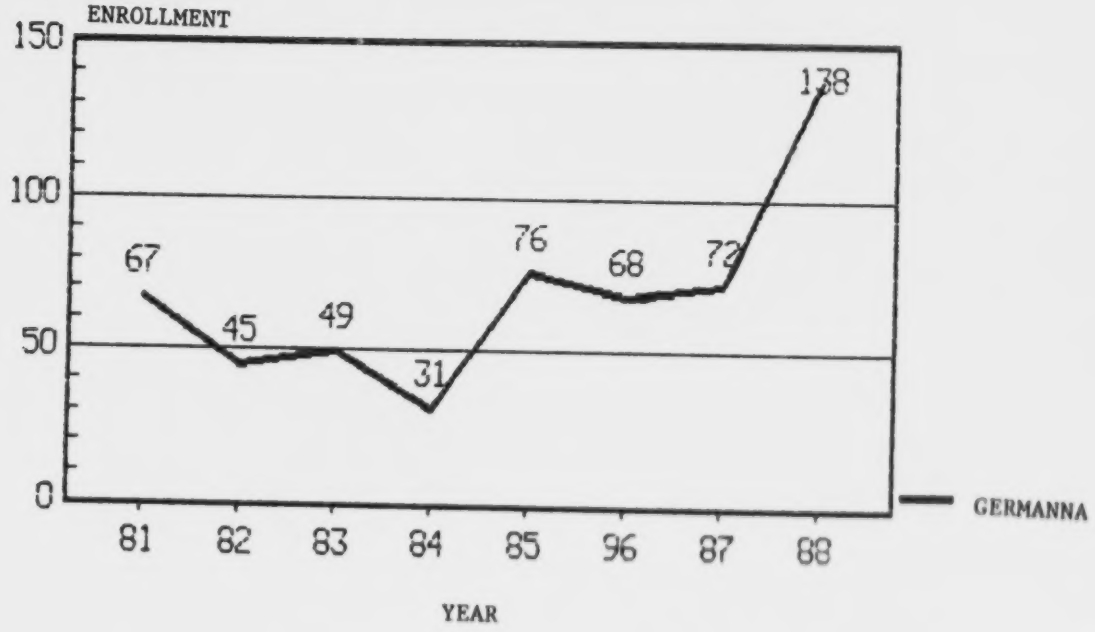


Graph 9

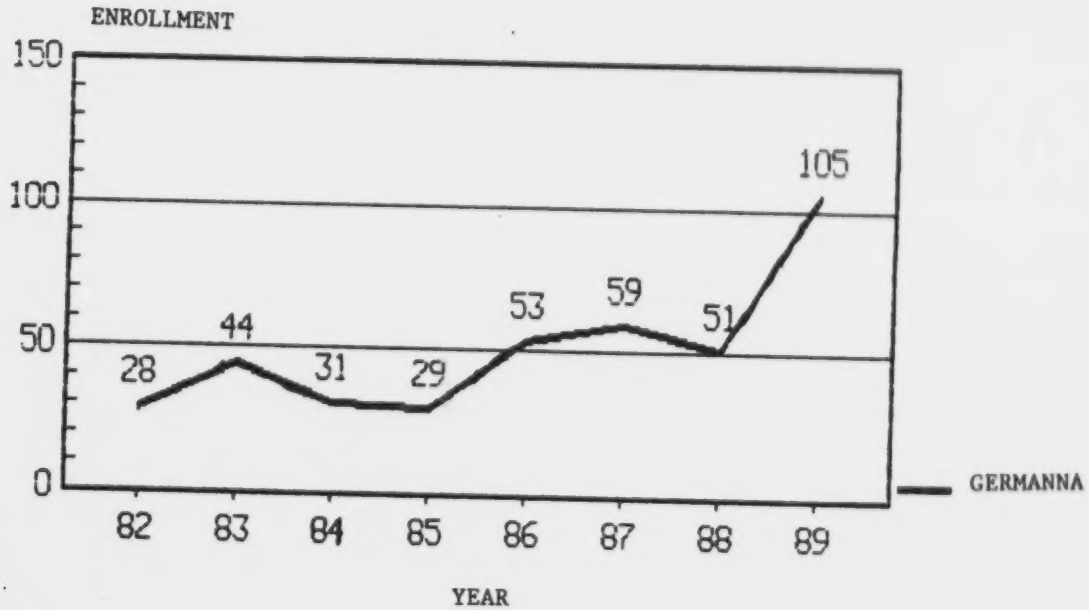
H.S. GRADUATES - % OF CHANGE
STATE VS. FAUQUIER



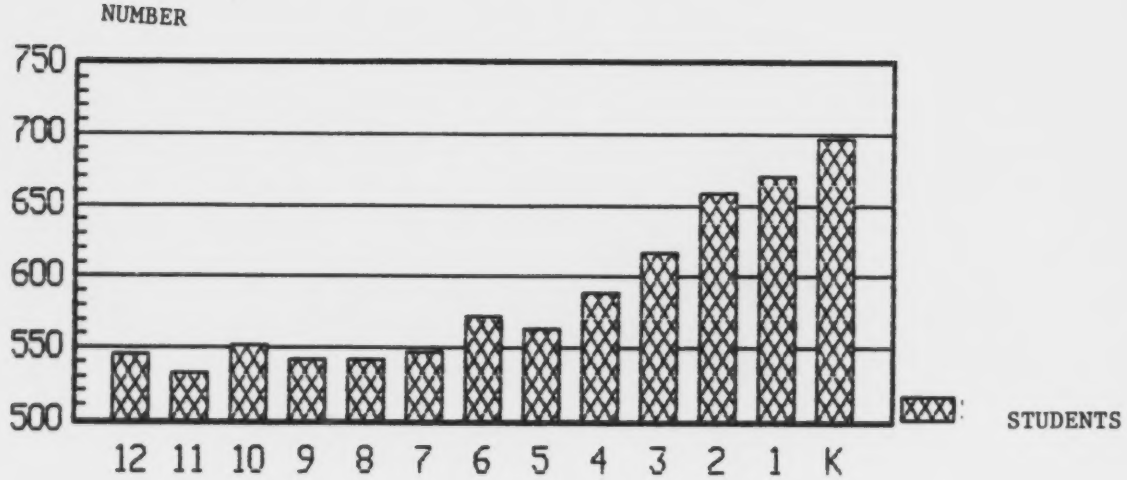
GRAPH 10-A
FAQUIER RESIDENTS ENROLLED
FALL TERMS



GRAPH 10-B
FAQUIER RESIDENTS ENROLLED
WINTER/SPRING TERMS

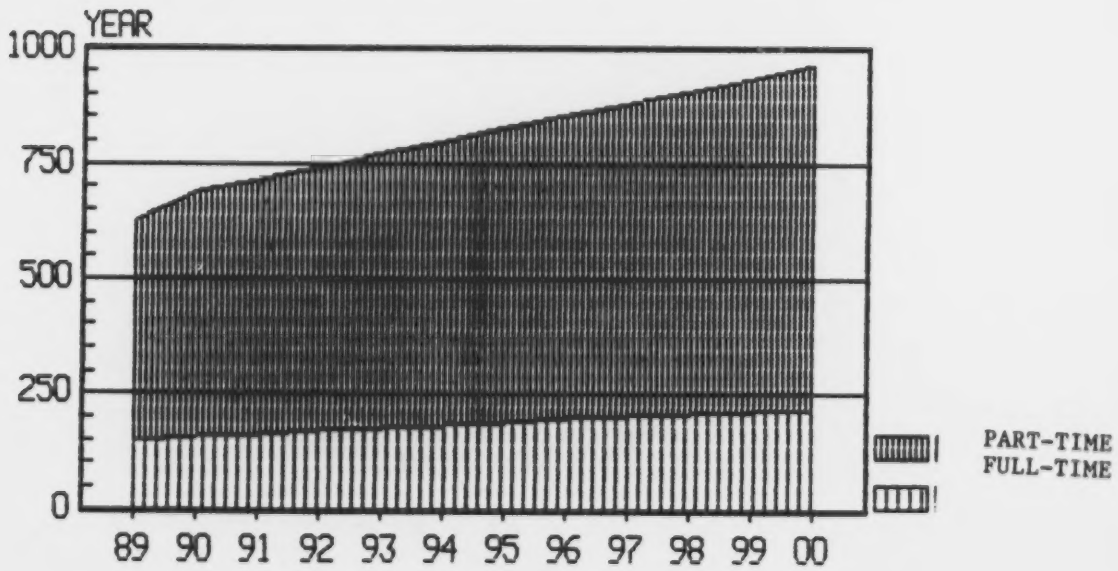


GRAPH 11
FAQUIER COUNTY PUBLIC SCHOOL ENROLLMENT
NOVEMBER 30, 1988

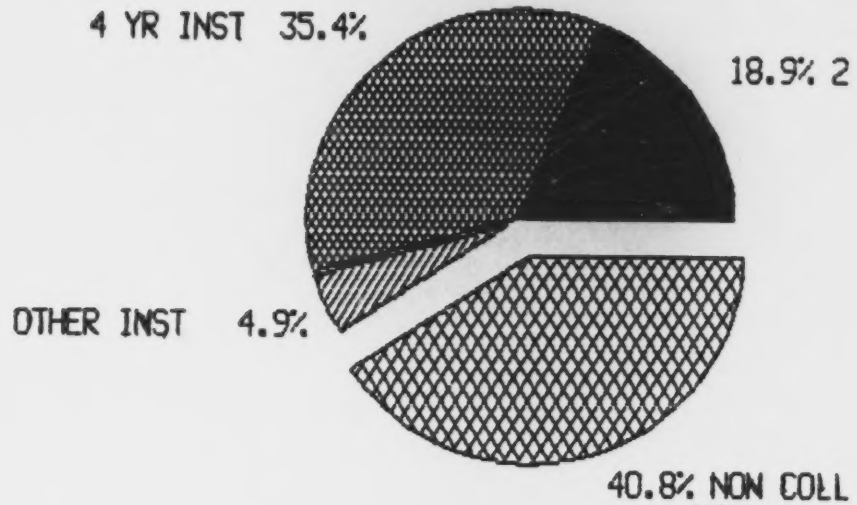


SOURCE: FAQUIER CTY. PUB. SCH. 11-30-88

GRAPH 12
PROJECTED ENROLLMENT IN FAQUIER PROGRAM



GRAPH 13
FAUQUIER COUNTY HIGH SCHOOL
POST SECONDARY EDUCATION



5 YEAR AVERAGE (1984-1988)
SOURCE: TABLE 6

ERIC Clearinghouse for
Junior Colleges JUL 12 1990